

Title (en)

Electric capacitor, particularly a wound electrolytic capacitor.

Title (de)

Elektrischer Kondensator, insbesondere Wickel-Elektrolytkondensator.

Title (fr)

Condensateur électrique, en particulier condensateur électrolytique enroulé.

Publication

EP 0389664 A1 19901003 (DE)

Application

EP 89105716 A 19890331

Priority

- EP 89105716 A 19890331
- DE 3800641 A 19880112

Abstract (en)

A capacitor winding (4) is installed in a metallic housing (5). The winding (4) has electrode foils (7, 9), projecting on both end sides, which are in thermal contact with the base (6) and a metallic plate (16). The thermal bridges formed in this way ensure better thermal dissipation in the event of high alternating current loads. <IMAGE>

Abstract (de)

Ein Kondensatorwickel (4) ist in ein metallisches Gehäuse (5) eingebaut. Der Wickel (4) besitzt an den beiden Stirnseiten überstehende Elektrodenfolien (7, 9) die in thermischem Kontakt mit dem Boden (6) und einer metallischen Platte (16) stehen. Die hierdurch gebildeten Wärmebrücken sorgen für eine bessere Wärmeableitung bei hohen Wechselstrombelastungen.

IPC 1-7

H01G 1/08; H01G 9/00

IPC 8 full level

H01G 2/08 (2006.01); **H01G 9/00** (2006.01); **H01G 9/008** (2006.01); **H01G 9/02** (2006.01); **H01G 9/022** (2006.01); **H01G 9/04** (2006.01)

CPC (source: EP US)

H01G 2/08 (2013.01 - EP US); **H01G 9/00** (2013.01 - EP US); **H01G 9/008** (2013.01 - EP US); **H01G 9/022** (2013.01 - EP US); **H01G 9/04** (2013.01 - EP US); **H01G 11/82** (2013.01 - EP US); **Y02E 60/13** (2013.01 - US)

Citation (search report)

- [X] EP 0214788 A2 19870318 - ELECTRONIC CONCEPTS INC [US]
- [A] US 3670210 A 19720613 - BLASE EMIL F
- [A] US 3681666 A 19720801 - BOWLING EDWARD L
- [A] NEW ELECTRONICS, Band 19, Nr. 30. September 1986, Seite 39, London, GB; K. DAWSON: "Electrolytic capacitor design for extended component life"

Cited by

DE102016105696A1; EP0591664A1; DE10041369B4; DE102005007608B4; US10957492B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

US 5021927 A 19910604; BR 9001388 A 19910409; CA 2013297 A1 19900930; DE 3800641 A1 19890720; EP 0389664 A1 19901003; FI 901627 A0 19900330; JP H02285622 A 19901122; RU 1830151 C 19930723

DOCDB simple family (application)

US 48201990 A 19900220; BR 9001388 A 19900327; CA 2013297 A 19900329; DE 3800641 A 19880112; EP 89105716 A 19890331; FI 901627 A 19900330; JP 8732590 A 19900329; SU 4743425 A 19900330